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|-------|------|
|       |      |

| Application No. | Applicant(s) |
|-----------------|--------------|
| 10/608,866      | BIAN ET AL.  |
| Examiner        | Art Unit     |

| 1 | Rejected | _ | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
|   | Allowed  | ÷ | Restricted                     |

| N | Non-Elected  |
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| ı | Interference |

Holly Rickman

| A | Appeal   |
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| o | Objected |

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|             |          | _               |          |            |                |              |          | _        |          | _          |            |
|-------------|----------|-----------------|----------|------------|----------------|--------------|----------|----------|----------|------------|------------|
| C           | laim     |                 |          | Date       |                |              |          |          |          |            |            |
| Final       | Original | 10/18/04        |          |            |                |              |          |          |          |            |            |
| 1           | 1        | =               |          | $^{+}$     | +              | 1            |          | ╁╴       | +        | +          | ╁          |
| 2           | 2 3      | † <del>=</del>  |          | T          | 十              | 7            |          | ╁        | 十        | +          | +          |
| 3           | 3        | =               |          | T          | _              | 7            |          | t        | 1-       | 十          | +          |
| 3<br>4<br>5 | 4        | =               | -        | T          | 1              | 1            |          | 1        | 1        | 1-         | T          |
| 5           | 5        | =               |          | Ţ          | 1              | 1            |          | Г        | 1-       | <b>†</b> - | $\top$     |
| 6           | 6        | =               |          | Γ          | 1              | 1            |          | Ι-       | $\top$   | 1          | T          |
| 7           | 7        | =               |          | Τ          |                | T            |          | 1        | 1        | <b>T</b>   |            |
| 8           | 8        | =               |          |            |                |              |          |          | Т        | 1          | 1          |
| 9           | 9        | =               |          |            | Ι.             | I            |          |          |          |            |            |
| 10          | 10       | =               |          | L          | $\perp$        | 1            |          |          | L.       |            |            |
| 11          | 11       | =               |          | Ļ          | 1              | 1            |          |          | $\perp$  |            |            |
| 12          | 12       | =               |          | L.         | ┸              | 1            |          | ļ        |          |            | ļ          |
| 13          | 13       | =               |          | _          | 4              | 4            |          | L        | ┸        | 1_         | _          |
| 14          | 14<br>15 | =               |          | L          | ╄-             | 4            |          | _        | ـــ      | $\perp$    | $\perp$    |
| 15          | 15       | =               |          | <b> </b> _ | ╀              | 4            |          | ļ_       | ļ        | ┺          | ļ_         |
| 16          | 16       | =               | _        | $\vdash$   | +              | 4            |          | <u> </u> | ↓_       | ╄.         | lacksquare |
| 17          | 17       | =               |          | ļ          | $\perp$        | $\downarrow$ |          | ļ        |          | 1          | <b>├</b> _ |
| 18<br>19    | 18       | =               |          | -          | ╀              | 4            |          | <u> </u> | L        | ╄          | -          |
| 19          | 19       | =               |          | ļ          | +              | +            | _        |          | ┞        | -          | ┼          |
|             | 20<br>21 | $\vdash$        |          | -          | +              | +            | _        |          | -        | ⊬          | $\vdash$   |
|             | 22       |                 | _        | -          | +-             | +            |          |          | -        | ╀          | ₩          |
|             | 23       | $\vdash$        | -        | -          | ╁              | +            |          |          | <u> </u> | ╁          | -          |
|             | 24       | $\vdash$        | -        | -          | +              | +            |          |          | ┢        | ╁—         | -          |
|             | 25       | $\vdash \vdash$ | _        | _          | +              | t            |          |          | ╁        | ├-         | $\vdash$   |
|             | 26       |                 | _        |            | +-             | t            |          |          | ┢        | $\vdash$   | Н          |
|             | 27       |                 |          |            | †-             | t            |          | _        | <b>-</b> | $\vdash$   | $\vdash$   |
|             | 28       |                 |          | _          | <b>†</b>       | t            |          | _        | -        | ┢          | Н          |
|             | 29       | Ħ               |          |            | 1              | t            | 7        | _        |          |            |            |
|             | 30       |                 |          |            | T              | Ť            | 7        |          |          |            |            |
|             | 31       |                 |          |            |                | T            |          |          |          |            |            |
|             | 32       | Ш               |          |            |                | Γ            |          |          |          |            |            |
|             | 33       | Ш               |          |            |                | ľ            |          |          |          | L          |            |
|             | 34       |                 |          |            | L              | Ĺ            |          |          |          | L          |            |
|             | 35       |                 | _        |            | <u> </u>       | L            | _        |          |          | L          | Ш          |
|             | 36       | L               | 4        |            | _              | L            | 4        |          |          | _          | Ш          |
|             | 37       | $\vdash \vdash$ | 4        |            | _              | Ļ            | 4        | _        |          | L_         |            |
|             | 38       |                 |          |            | -              | L            | 4        |          |          |            | $\Box$     |
|             | 39<br>40 | $\vdash$        | $\dashv$ | _          | -              | L            | -        | _        |          |            | Ш          |
| $\dashv$    | 41       | -               | -        |            | <del> </del> — | ╀            | +        | _        | _        |            |            |
|             | 42       | +               | +        | _          | -              | $\vdash$     | -        | $\dashv$ | _        | -          | $\dashv$   |
|             | 43       | -               | $\dashv$ |            | $\vdash$       | $\vdash$     | +        | $\dashv$ |          |            | $\dashv$   |
|             | 44       | +               | +        | _          | -              | ╁            | $\dashv$ | -        |          | H          | $\dashv$   |
|             | 45       | +               | $\dashv$ |            | $\vdash$       | $\vdash$     | +        | $\dashv$ | -        | $\vdash$   | $\dashv$   |
|             | 46       | $\dashv$        | +        | _          | ├-             | H            | +        | $\dashv$ |          | $\vdash$   | $\dashv$   |
|             | 47       | $\dashv$        | $\dashv$ | _          | $\vdash$       | -            | +        | +        |          | $\vdash$   | $\dashv$   |
| $\neg \neg$ | 48       | $\dashv$        | $\dashv$ | -          | $\vdash$       | H            | +        | +        | -        | $\dashv$   | $\dashv$   |
| $\dashv$    | 49       | +               | +        | -          | $\vdash$       | H            | +        | 1        | $\dashv$ |            | $\dashv$   |
| -           |          | <del></del>     | -        | _          | ⊢              | <b>!</b>     | -        | _        |          |            |            |

| _        |          |                      |          |    |   |        |     |              |     |          |         |           |          | •         |
|----------|----------|----------------------|----------|----|---|--------|-----|--------------|-----|----------|---------|-----------|----------|-----------|
| L        | Cla      | aim                  |          |    | _ | -,     |     | Dε           | ıte | _        | _       | _         | _,_      |           |
| i        | Final    | Original             |          | ŀ  |   |        |     |              |     |          |         |           |          |           |
|          |          | 51                   | +-       | t  |   | t      | 1   |              | 十   | +        | $^{+}$  | _         | ┝        | 十         |
| Г        |          | 52                   |          | T  | _ | T      | 7   |              | T   | $\top$   |         | _         | T        | +         |
|          |          | 53                   | T        | 1  |   | T      | 7   |              | T   | +        | $\top$  | _         | $\vdash$ | 十         |
|          |          | 54                   | 1        | 1  |   | r      | T   | _            | T   | ┪        | $\top$  | _         |          | $\dagger$ |
|          |          | 55                   | $\top$   | ✝  |   | T      | 1   | _            | T   | 1        | $\top$  | _         | Ι        | +         |
|          |          | 56                   | T        | T  |   | T      | 1   |              | T   | T        | t       | _         | i -      | $^{+}$    |
|          |          | 57                   |          | T  |   |        | T   |              | T   | 1        | 1       | _         |          | 十         |
|          |          | 58                   | T        | T  |   |        | Ť   | _            | Τ   | 1        |         | _         | Γ        | T         |
|          |          | 59                   |          | T  |   |        | T   |              | T   | $\top$   | T       |           |          | †         |
|          |          | 60                   |          | I  |   |        | T   |              | Π   | T        | Ť       |           |          | T         |
|          |          | 61                   |          | Ι  |   |        | Ţ   |              |     |          | T       |           |          | Т         |
| L        |          | 62                   |          |    |   |        |     |              |     | Т        |         |           |          | Т         |
|          |          | 63                   |          | L  |   |        |     |              | L   |          |         |           | <u> </u> | Г         |
| L        |          | 64                   |          | L  |   | L.     | L   |              |     | L        |         |           |          | Т         |
| L        | _[       | 65                   | <u> </u> | L  |   | L      |     |              | L   |          | $\perp$ |           |          |           |
| L        |          | 66                   | <u> </u> | L. |   |        |     |              | L   | _        | L       |           |          |           |
| L        | _        | 67                   | L        | L  |   |        | 1   | _            | L   |          | L       |           |          | L         |
| $\perp$  | $\Box$   | 68                   | ᆫ        | L  |   |        | 1   |              | L   |          |         | _         |          |           |
|          | _        | 69                   | <u> </u> | L  |   |        | 1   |              |     | 上        | ┸       |           |          |           |
|          | _        | 70                   | <u> </u> | L  |   |        | ļ   |              |     | <u> </u> | L       |           |          | L         |
|          | 4        | 71                   | ļ_       | L  | _ |        | ļ   |              | _   | ┺        | L       | 1         |          | L         |
|          | $\dashv$ | 72                   | _        | L  | _ |        | ļ., |              | L   | ┸        | $\perp$ | _         |          | <u> </u>  |
| $\vdash$ | -+       | 72<br>73<br>74<br>75 | <u> </u> | L  | 4 |        | 1   |              | L   | ╀        | 1       | 4         |          | _         |
|          | $\dashv$ | 74                   | ⊢        | Ļ  | 4 |        | ╀   | _            | L   | ↓_       | ╀       | 4         |          | ļ.,       |
| $\vdash$ | $\dashv$ | 70                   |          | ⊢  | 4 |        | ╀   |              |     | ╀        | +       | 4         |          | ↓_        |
| $\vdash$ | $\dashv$ | 76<br>77             | <u> </u> | ┞  | 4 | •      | ╀   |              | _   | ╄        | +       | 4         |          | ▙         |
| -        |          | 78                   | <b>-</b> | H  | + |        | +   |              | _   | +        | ╀       | +         |          | ├-        |
| -        | $\dashv$ | 79                   |          | -  | + |        | ╀   | _            |     | ┢        | +-      | +         | _        | ⊢         |
|          | 十        | 80                   | ┝        | -  | + |        | ╁   | _            | _   | ╁        | ╁       | +         |          | H         |
| -        | $\dashv$ | 81                   | ⊢        | ⊢  | + |        | ┝   | _            |     | +-       | +       | +         |          | ┝         |
| $\vdash$ | $\dashv$ | 82                   |          | Н  | + |        | ╁   | -            |     | $\vdash$ | ╆       | +         | _        | ┝         |
| $\vdash$ | 7        | 83                   | -        |    | + |        | t   | -            |     | $\vdash$ | +-      | +         | _        | ├         |
|          | +        | 84                   | _        | -  | + |        | t   | -            |     | ╁        | ╁       | $^{+}$    |          |           |
| $\vdash$ |          | 85                   |          |    | † | _      | t   | -            | _   | $\vdash$ | +-      | $\dagger$ | _        | -         |
|          | ┪        | 86                   |          | -  | T | _      | T   |              |     | <b>†</b> | T       | †         | _        | $\vdash$  |
|          | $\top$   | 87                   |          |    | 1 | _      | ✝   | 7            |     | 一        | T       | †         |          |           |
|          | $\top$   | 88                   |          |    | 1 |        | T   | ٦            |     |          | T       | Ť         |          | _         |
|          |          | 89                   |          |    | Ī |        | Γ   | 7            |     | T        |         | Ť         |          |           |
|          |          | 90                   |          |    | 1 |        | Γ   | 7            |     |          | 尴       | Ť         |          |           |
|          |          | 91                   |          |    |   |        | Γ   | ٦            |     |          |         | Ť         |          |           |
| 匚        | $\prod$  | 92                   |          |    | I |        |     | J            |     |          | Ľ       | Ť         |          |           |
|          |          | 93                   |          |    | I |        | Ĺ   | ]            |     |          |         | I         |          |           |
| L        |          | 94                   |          |    | I |        | Ĺ   | Ī            |     |          |         | Ι         |          | _         |
| L        |          | 95                   | _        |    | 1 |        | Ĺ   | _[           |     |          | Ĺ       | I         |          | _         |
| <u> </u> |          | 96                   | _        |    | 1 |        |     | $\downarrow$ |     |          |         | I         | $\Box$   |           |
| <u> </u> |          | 97                   |          |    | 1 | $\Box$ | L   | 1            |     |          |         | Ţ         | Ī        |           |
| <u> </u> |          | 98                   | _        |    | 1 |        | L   | $\downarrow$ |     | L        | L       | Ţ         |          |           |
| <u> </u> |          | 99                   | _        | _  | 1 | Ц      | _   | 4            |     | L        | L.      | Ļ         |          |           |
| L        |          | 100                  |          |    |   | _1     |     | $\perp$      |     | _        | L       | L         |          |           |

| CI                | aim               | Т         |                         |              |  |          | ıto.     | _             |          |              |
|-------------------|-------------------|-----------|-------------------------|--------------|--|----------|----------|---------------|----------|--------------|
|                   |                   | +         | $\overline{\mathbf{T}}$ | $\top$       |  | Ť        | ate      | $\overline{}$ | _        | <del>,</del> |
| . Final           | Original          |           |                         |              |  |          |          |               |          | 1            |
|                   | 101               |           | $^{+}$                  | $\top$       | †-   | +        | +        | +             | +        | +-           |
|                   | 102               |           | T                       | +            | ╁  | ╁        | +        | +             | +        | +            |
|                   | 102<br>103        | Т         | †-                      | T            | ✝  | 十        | +        | +             | +        | +            |
|                   | 104               | T         | T                       | †-           | T  | 十        | $\top$   | $\top$        | 1        | +            |
|                   | 105               |           |                         | †-           | 1  | Ť        | 1        | _             | ╁        | $T^-$        |
|                   | 106               |           |                         | 1            | T  | 1        | 1        | T             | T        | 1            |
|                   | 107               |           | Г                       |              |  | Τ.       | T        |               | 1        | 1            |
|                   | 108               |           |                         |              | Τ  | T        |          | T             | T        | 1            |
|                   | 109               |           |                         | ┸            | 1  |          | L        | $\perp$       |          |              |
|                   | 110               |           | L                       | _            |  | L        | $\perp$  | L             | L        |              |
|                   | 111               |           | ╙                       | 1            | 1_   | 1.       | $\perp$  | 丄             | L        |              |
|                   | 112               | _         | <u> </u>                | ↓_           | ╄  | $\perp$  | $\bot$   | $\perp$       | $\perp$  | _            |
| -                 | 113<br>114<br>115 |           | ļ_                      | ļ            | 1  | $\perp$  | $\perp$  | $\perp$       | <u> </u> | <u> </u>     |
| -                 | 114               | _         | ┞                       | ╀            | +-   | -        | +        | 4             | $\perp$  | Ĺ            |
|                   | 115               |           | ⊬                       | ┼            | $\perp$  | ╄-       | ļ.,      | ┿             | ╄        | <u> </u>     |
| -                 | 116<br>117        |           | ┝                       | ╄            | +  | +        | +-       | +-            | +-       | <u> </u>     |
| $\vdash$          | 118               |           | -                       | +-           | +-   | ┿        | +        | +             | ┼        |              |
| $\vdash$          | 119               |           | ┝                       | +-           | ┼  | ╁╌       | +        | +             | +        | -            |
| $\vdash$          | 120               |           | ├                       | ╁            | ╀  | ┾        | +        | +             | +        | +            |
|                   | 121               |           | ├                       | ╁            | ┿  | ╀╴       | +-       | +-            | +-       | $\vdash$     |
| $\vdash$          | 121<br>122        |           | $\vdash$                | ╁            | +-   | ╁╴       | +-       | ╁             | +-       | $\vdash$     |
| $\vdash$          | 123               |           | -                       | †            | +  | +        | ╁┈       | +             | ╁        | $\vdash$     |
|                   | 124               | _         |                         | <del> </del> | -  | ┢        | +        | ╁             | $\vdash$ | Н            |
|                   | 124<br>125        |           | ┢                       | T            | ✝  | $\vdash$ | $\vdash$ | †             | $\vdash$ | $\vdash$     |
|                   | 126               |           | _                       | 1            | †  | T        | T        | 1             | T        | П            |
|                   | 126<br>127        |           |                         |              |  |          | ✝        | $\top$        | Τ        |              |
|                   | 128               |           |                         |              |  |          |          | Г             |          |              |
|                   | 129               |           |                         | L            |  |          | L        |               |          |              |
| <u> </u>          | 130               |           |                         | L            | 上  |          |          | _             |          |              |
| $\longrightarrow$ | 131               | _         |                         |              | _  | L        | <u> </u> | <u> </u>      |          |              |
|                   | 132               | 4         |                         | <u> </u>     | <u> </u>   | L        | igspace  | <u> </u>      | _        | Ш            |
| ┝─┼               | 133<br>134        | $\dashv$  |                         | <u> </u>     | <u> </u>   | L        | $\vdash$ | <del> </del>  | -        | Ш            |
| ┞─┼               | 135               | $\dashv$  |                         | -            | ├  | ┢        | ⊢        | ⊢             | H        | $\vdash$     |
|                   | 136               | $\dashv$  |                         |              | ⊢  | $\vdash$ | {-       | ┼             | -        | Н            |
| $\vdash$          | 137               | 7         | _                       | ┢            | -  | ┝        |          | ├-            |          | Н            |
|                   | 138               | 7         |                         |              | <del>                                     </del> | -        | ✝        | $\vdash$      | -        | $\dashv$     |
| -                 | 139               | ┪         |                         |              |  | <u> </u> | ऻ        |               |          | $\dashv$     |
|                   | 140               | $\exists$ |                         |              |  |          |          | <b></b>       |          |              |
|                   | 141               |           |                         |              |  |          |          |               |          |              |
|                   | 142               |           |                         |              |  |          |          |               |          |              |
|                   | 143               | [         |                         |              |  |          | L        |               |          |              |
|                   | 144               | 4         | _                       |              | L,   |          | _        | L.            | Ш        |              |
| -+                | 145               | 4         | _                       |              |  |          | <u> </u> | L             | Щ        |              |
|                   | 146               | 4         | _                       | _            | _  | _        | <u> </u> |               | $\sqcup$ | _            |
|                   | 147               | 4         | $\dashv$                |              |  |          |          | L.,           | $\sqcup$ | _            |
|                   | 148<br>149        | $\dashv$  | _                       | $\dashv$     | _  |          | <u> </u> | Щ             | <b>-</b> | $\dashv$     |
|                   | 150               | +         | $\dashv$                |              |  |          | $\vdash$ | $\vdash$      |          | $\dashv$     |
|                   | 150               |           |                         |              |  |          | <u> </u> | زا            |          |              |